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Db      362 AGATTTTCTACTGCACATTTTAGGAGATTAGATCTCTGAGGAAAAACCATACAGCTGAATTGG 421
Qy      732 TCATCCAGGTAATATCTGAATGTGTCATTAATAATATGCTACACATGTCCTCCCTAGCA 791
Db      422 TCATCCAGGTAATATCTGAATGTGTCATTAATAATATGCTACACATGTCCTCCCTAGCA 481
Qy      792 CCTAGCATGATGCTG 807
Db      482 CCTAGCATGATGCTG 497

RESULT 6
AI733919
LOCUS      464 bp mRNA linear EST 24-OCT-2000
DEFINITION zt50f01.v5 Soares ovary tumor NbHOT Homo sapiens cDNA clone
ACCESSION AI733919
VERSION    AI733919.1 GI:5055032
KEYWORDS   EST.
SOURCE     Homo sapiens
ORGANISM   Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 464)
AUTHORS   NCI-CCGAP http://www.ncbi.nlm.nih.gov/ncicgap.
TITLE     National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
JOURNAL   Unpublished (1997)
COMMENT   Other ESTs: zt50f01.s1
Contact: Robert Strausberg, Ph.D.
Email: ccgaps-remail.nih.gov
This clone is available royalty-free through LNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
This read is a RESEQUENCE of a previously sequenced human clone
Original clone citation: WashU-NCI human EST Project
This read has been verified (found to hit its original self in the
correct orientation)
Putative full length read
The vector to vector length is 544
Insert length: 621 Std Error: 0.00
Seq primer: -40RP from Gibco.
LOCATION/Qualifiers
1. 464
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="GDB:5937732"
/db_xref="taxon:9606"
/clone="IMAGE:725785"
/sex="Female"
/tissue_type="ovarian tumor"
/lab_host="DH10B (ampicillin resistant)"
/clone_lib="Soares ovary tumor NbHOT"
note="Organ: ovary; Vector: p7T3D (Pharmacia) with a
modified polylinker; Site 1: Not 1; Site 2: Eco RI; 1st
strand cDNA was primed with a Not I - oligo(dT) primer [5',
TGTTCACCAATCTGAAGTCGAGCGCGCGGTCTTTTCTTTTCTTTT 3'],
double-stranded cDNA was size selected, ligated to Eco RI
adapters (Pharmacia), digested with Not I and cloned into
the Not I and Eco RI sites of a modified p7T3 vector
(Pharmacia). Library constructed by Bento Soares and
M.Fatima Bonaldo."

ORIGIN
Query Match 47.2%; Score 456.6; DB 9; Length 464;
Best Local Similarity 99.1%; Pred. No. 2.4e-67;
Matches 459; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      313 CCGGCTGTGAGGACCACTCTCCCTCGGAATGCTGCATTCAGATCAGATGTCAA 372
Db      2 CCGGCTGTGAGGACCACTCTCCCTCGGAATGCTGCATTCAGATCAGATGTCAA 61
Qy      373 ATTGAGGATCAGGGGTGTACCGCTGCATGATCAGTATGTTGGTCCGACTACAAGCG 432

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Db      62 ATTGAGGATCAGGGGTGTACCGCTGCATGATCAGCTATGTTGGTCCGACTACAAGCG 121
Qy      433 AATTACTGTGAAGTCAATGCCCATACACAAATAATCAACCAAGAAATTTTGGTTGTGA 492
Db      122 AATTACTGTGAAGTCAATGCCCATACACAAATAATCAACCAAGAAATTTTGGTTGTGA 181
Qy      493 TCCAGTCACTCTGAACATGAACATGACATGTCCAGCTGAGGGCTACCCCAAGGCCGAAGT 552
Db      182 TCCAGTCACTCTGAACATGAACATGACATGTCCAGCTGAGGGCTACCCCAAGGCCGAAGT 241
Qy      553 CATCTGCAACAGCAGTCAACCATCAAGTCTCTGAGTGGTAAGACCAACCAACCAATCCAA 612
Db      242 CATCTGCAACAGCAGTCAACCATCAAGTCTCTGAGTGGTAAGACCAACCAACCAATCCAA 301
Qy      613 GAGGAGGAGGAGCTTTTCAATGTGACCACTGAGATCAACCAACCAACCAATCAATGA 672
Db      302 GAGGAGGAGGAGCTTTTCAATGTGACCACTGAGATCAACCAACCAACCAATCAATGA 361
Qy      673 GATTTTCTACTGCACTTTTAGGAGATTAGATCTCTGAGGAAAAACCATACAGCTGAATTGGT 732
Db      362 GATTTTCTACTGCACTTTTAGGAGATTAGATCTCTGAGGAAAAACCATACAGCTGAATTGGT 421
Qy      733 CATCCCAAGGTAATATCTGAATGTGTCATTAATAATATGCTA 775
Db      422 CATCCCAAGGTAATATCTGAATGTGTCATTAATAATATGCTA 464

RESULT 7
AA399416/c
LOCUS      442 bp mRNA linear EST 08-AUG-1997
DEFINITION zt50f01.s1 Soares ovary tumor NbHOT Homo sapiens cDNA clone
IMAGE:725785 3', mRNA sequence.
ACCESSION AA399416
VERSION    AA399416.1 GI:2053179
KEYWORDS   EST.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 442)
AUTHORS   Hallier, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B.,
Chisoe, S., Dietrich, N., DuBuque, T., Favello, A., Gish, W.,
Hawkins, M., Hultman, M., Kucaba, T., Lacy, M., Le, M., Le, N.,
Mardis, E., Moore, B., Morris, M., Parsons, J., Prange, C., Rifkin, L.,
Rohlfing, T., Schellenberg, K., Soares, M.B., Tan, P., Thierry-Mieg, J.,
Trevasakis, E., Underwood, K., Wohldmann, P., Waterston, R., Wilson, R.,
and Marra, M.
Generation and analysis of 280,000 human expressed sequence tags
Genome Res. 6 (9), 807-828 (1996)
97044478
8889549
COMMENT    Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
This clone is available royalty-free through LNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Insert Length: 621 Std Error: 0.00
Seq primer: -41ml3 fwd. ET from Amersham
High quality sequence stop: 378.
LOCATION/Qualifiers
1. 442
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="GDB:5937732"
/db_xref="taxon:9606"
/clone="IMAGE:725785"
/sex="Female"
/tissue_type="ovarian tumor"
/lab_host="DH10B (ampicillin resistant)"
/clone_lib="Soares ovary tumor NbHOT"

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